

Cognizance

Task 1

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1. Creating Repository:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c
$ cd users

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users
$ cd Sujith

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith (main)
$ cd Desktop
bash: cd: Desktop: No such file or directory

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith (main)
$ mkdir Cognizance

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith (main)
$ cd Cognizance

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (main)
$ git init
Initialized empty Git repository in C:/Users/Sujith/Cognizance/.git/

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git clone https://github.com/sujith2409/Cognizance.git
Cloning into 'Cognizance'...
warning: You appear to have cloned an empty repository.
```

2. Git add:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ touch cat.py

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git add cat.py
```

3. Git Status:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   cat.py

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Cognizance/
```

4. Git commit:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git commit -m "Py"
[master (root-commit) 2f1baa2] Py
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 cat.py
```

5. Git push:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git remote add origin https://github.com/sujith2409/Cognizance.git

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 216 bytes | 108.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/sujith2409/Cognizance.git
 * [new branch]      master -> master
```

6. Git checkout:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git checkout File1
Switched to branch 'File1'
```

7. Git checkout -b:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (File1)
$ git checkout -b File3
Switched to a new branch 'File3'
```

8. Git Commit -a:

MINGW64:/c/users/Sujith/Cognizance

```
This is a Text File
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch master
# Changes to be committed:
#   new file:   p.txt
#
# Untracked files:
#   Cognizance/
```

```
C:/Users/Sujith/Cognizance/.git/COMMIT_EDITMSG[+] [unix] (14:34 15/02/2022)
-- INSERT --
```

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git commit -a
[master 9c44739] This is a Text File
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 p.txt
```

9. Git merge:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git checkout File1
Switched to branch 'File1'

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (File1)
$ git merge master
Updating 2f1baa2..9c44739
Fast-forward
 p.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 p.txt
```

10. Git Pull:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (File1)
$ git pull origin master
From https://github.com/sujith2409/Cognizance
 * branch          master      -> FETCH_HEAD
Already up to date.
```

11. Git reset:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (File1)
$ git reset --soft
```

12. Git rebase:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (File3)
$ touch hi.py

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (File3)
$ git add hi.py

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (File3)
$ git commit -m "Hello"
[File3 73f2cdf] Hello
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 hi.py

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (File3)
$ git checkout master
Switched to branch 'master'

Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git rebase File3
Successfully rebased and updated refs/heads/master.
```


13. Git fetch:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git fetch
```

14. Git clone:

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git clone https://github.com/sujith2409/Cognizance.git
Cloning into 'Cognizance'...
warning: You appear to have cloned an empty repository.
```

15. Git config --list --show-origin

```
Sujith@LAPTOP-CFB2THCG MINGW64 /c/users/Sujith/Cognizance (master)
$ git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=false
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/Sujith/.gitconfig user.name=Sujith
file:C:/Users/Sujith/.gitconfig user.email=ch.en.u4cse21253@ch.students.amrita.edu
file:.git/config core.repositoryformatversion=0
file:.git/config core.filemode=false
file:.git/config core.bare=false
file:.git/config core.logallrefupdates=true
file:.git/config core.symlinks=false
file:.git/config core.ignorecase=true
file:.git/config remote.origin.url=https://github.com/sujith2409/Cognizance.git
file:.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
```

16. Fork:

